BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to roads and drains at Ramachandrapura and surrounding areas in ward no.11 in Kuvempunagar

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 01		Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		16-09-2021									
		Muniramu colony									
		Cross road-1									
		LHS(North)									
		From Dead End to Main Road									
0	16		Cum	1	16.00	1.10	1.10	1.10	0.90	15.84	
16	22.5	Old Culvert	Cum	1	0.00	0.00	0.00	0.00	0.00	0.00	
22.5	30		Cum	1	7.50	1.10	1.10	1.10	0.90	7.43	
30	48.9		Cum	1	18.90	1.10	1.10	1.10	0.90	18.71	
48.9	50.4		Cum	1	1.50	1.10	1.10	1.10	0.90	1.49	
50.4	79		Cum	1	28.60	1.10	1.10	1.10	0.90	28.31	
		Cross road-2									
		LHS(West)									
		From Kuber House									
0	9.5		Cum	1	9.50	1.10	1.10	1.10	0.90	9.41	
9.5	18.6		Cum	1	9.10	1.10	1.10	1.10	0.90	9.01	
18.6	37.1		Cum	1	18.50	1.10	1.10	1.10	0.90	18.32	
37.1	42.3		Cum	1	5.20	1.10	1.10	1.10	0.90	5.15	
42.3	46.9		Cum	1	4.60	1.10	1.10	1.10	0.90	4.55	
		RHS									
0	13		Cum	1	13.00	1.10	1.10	1.10	0.90	12.87	
		Velagani Main road									
		LHS(West)									
		From SWD Drain To #137 Kumbeshwara Nilaya									
0	2.5		Cum	1	2.50	1.10	1.10	1.10	0.90	2.48	
2.5	13.5		Cum	1	11.00	1.10	1.10	1.10	0.90	10.89	
13.5	15.3		Cum	1	1.80	1.10	1.10	1.10	0.90	1.78	
15.3	26.6		Cum	1	11.30	1.10	1.10	1.10	0.90	11.19	
26.6	42.4		Cum	1	15.80	1.10	1.10	1.10	0.90	15.64	
42.4	44.1		Cum	1	1.70	1.10	1.10	1.10	0.90	1.68	
44.1	56.1		Cum	1	12.00	1.10	1.10	1.10	0.90	11.88	
56.1	62.7		Cum	1	6.60	1.10	1.10	1.10	0.90	6.53	
62.7	68.3		Cum	1	5.60	1.10	1.10	1.10	0.90	5.54	
68.3	95.9		Cum	1	27.60	1.10	1.10	1.10	0.90	27.32	
95.9	104.7		Cum	1	8.80	1.10	1.10	1.10	0.90	8.71	
104.7	107.5		Cum	1	2.80	1.10	1.10	1.10	0.90	2.77	
107.5	111.6		Cum	1	4.10	1.10	1.10	1.10	0.90	4.06	

24/9/56

RUDRAPRASAD CONSULTANTS BANGALORE

Executive Engineer, Sub-Division, BBMP, Bangalore

PMC

Assistant Engineer

Assistant Executive Engineer

AEE (VRP) SD

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
111.6	121		Cum	1	9.40	1.10	1.10	1.10	0.90	9.31	
		RHS (East)									
0	13.1		Cum	1	13.10	1.10	1.10	1.10	0.90	12.97	
		Kaltharu Layout									
		Cross Road									
		LHS(South)									
		From Velagani Main Road									
0	23.1		Cum	1	23.10	1.10	1.10	1.10	0.90	22.87	
		RHS									
0	21.2		Cum	1	21.20	1.10	1.10	1.10	0.90	20.99	
		Abbigere Main Road									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
60	90		Cum	1	30.00	1.10	1.10	1.10	0.90	29.70	
90	105		Cum	1	15.00	1.10	1.10	1.10	0.90	14.85	
105	114.7		Cum	1	9.70	1.10	1.10	1.10	0.90	9.60	
									Total	**421.25**	

341.56

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

RUDRAPRASAD CONSULTANTS BANGALORE

Executive Engineer,
Sub-Division,
BBMP, Bangalore

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 02		Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		20-09-2021									
		Muniramu colony									
		Cross road-1									
		LHS(North)									
		From Dead End to Main Road									
0	16		Cum	1	16.00	1.10	1.10	1.10	0.15	2.64	
16	22.5	Old Culvert	Cum	1	0.00						
22.5	30		Cum	1	7.50	1.10	1.10	1.10	0.15	1.24	
30	48.9		Cum	1	18.90	1.10	1.10	1.10	0.15	3.12	
48.9	50.4		Cum	1	1.50	1.10	1.10	1.10	0.15	0.25	
50.4	79		Cum	1	28.60	1.10	1.10	1.10	0.15	4.72	
		Cross road-2									
		LHS(West)									
		From Kuber House									
0	9.5		Cum	1	9.50	1.10	1.10	1.10	0.15	1.57	
9.5	18.6		Cum	1	9.10	1.10	1.10	1.10	0.15	1.50	
18.6	37.1		Cum	1	18.50	1.10	1.10	1.10	0.15	3.05	
37.1	42.3		Cum	1	5.20	1.10	1.10	1.10	0.15	0.86	
42.3	46.9		Cum	1	4.60	1.10	1.10	1.10	0.15	0.76	
		RHS									
0	13		Cum	1	13.00	1.10	1.10	1.10	0.15	2.15	
		Velagani Main road									
		LHS(West)									
		From SWD Drain To #137 Kumbeshwara Nilaya									
0	2.5		Cum	1	2.50	1.10	1.10	1.10	0.15	0.41	
2.5	13.5		Cum	1	11.00	1.10	1.10	1.10	0.15	1.82	
13.5	15.3		Cum	1	1.80	1.10	1.10	1.10	0.15	0.30	
15.3	26.6		Cum	1	11.30	1.10	1.10	1.10	0.15	1.86	
26.6	42.4		Cum	1	15.80	1.10	1.10	1.10	0.15	2.61	
42.4	44.1		Cum	1	1.70	1.10	1.10	1.10	0.15	0.28	
44.1	56.1		Cum	1	12.00	1.10	1.10	1.10	0.15	1.98	
56.1	62.7		Cum	1	6.60	1.10	1.10	1.10	0.15	1.09	
62.7	68.3		Cum	1	5.60	1.10	1.10	1.10	0.15	0.92	
68.3	95.9		Cum	1	27.60	1.10	1.10	1.10	0.15	4.55	
95.9	104.7		Cum	1	8.80	1.10	1.10	1.10	0.15	1.45	
104.7	107.5		Cum	1	2.80	1.10	1.10	1.10	0.15	0.46	
107.5	111.6		Cum	1	4.10	1.10	1.10	1.10	0.15	0.68	
111.6	121		Cum	1	9.40	1.10	1.10	1.10	0.15	1.55	

41.81

RUDRAPRASAD CONSULTANTS BANGALORE

Executive Engineer, Sub-Division, PMC BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

Assistant Executive Engineer

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
		RHS (East)									
0	13.1		Cum	1	13.10	1.10	1.10	1.10	0.15	2.16	
		Kaltharu Layout									
		Cross Road									
		LHS(South)									
		From Velagani Main Road									
0	23.1		Cum	1	23.10	1.10	1.10	1.10	0.15	3.81	
		RHS									
0	21.2		Cum	1	21.20	1.10	1.10	1.10	0.15	3.50	
		Abbigere Main Road									
0	15		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
15	30		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
30	45		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
45	60		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
60	90		Cum	1	30.00	1.10	1.10	1.10	0.15	4.95	
90	105		Cum	1	15.00	1.10	1.10	1.10	0.15	2.48	
105	114.7		Cum	1	9.70	1.10	1.10	1.10	0.15	1.60	
									Total	**70.21**	

41.81

Assistant Executive Engineer
Vidyaranyapura Sub Division,
B.B.M.P, Bangalore - 97

RUDRAPRASAD CONSULTANTS BANGALORE

Executive Engineer,
Sub-Division,
BBMP, Bangalore

Director PMC Assistant Engineer Assistant Executive Engineer

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 04		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		30-09-2021									
		For Drain	Tonne		From steel calculation sheet					9.36	
									Total	**9.36**	

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer,
Vidyaranyapura Sub-Division,
BBMP, Bangalore

Inspector PMC Assistant Engineer Assistant Executive Engineer

5/1

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Improvements to roads and drains at Ramachandrapura and surrounding areas in ward no.11 in Kuvempunagar

PRE MEASUREMENT SHEET

FIRST and FINAL BILL

STEEL CALCULATION

SI.NO	Description	Nos	BAR DIA mm	No. Bars	Total No. bars	Length m	Total Length m	Weight kg/m	Total weight Kg's
Item No. 04	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work								
	Measurements Taken On;	30-09-2021							
	For RCC Drain								
	Muniramu colony								
	Cross road-1								
	LHS(North)								
	From Dead End to Main Road								
	Main Bars (#12@150 c/c)	1	12	483	483	2.40	1160.00	0.89	1029.86
	Distribution(13-#10)	1	10	13	13	72.50	942.50	0.62	581.09
	Cross road-2								
	LHS(West)								
	From Kuber House								
	Main Bars (#12@150 c/c)	1	12	313	313	2.40	750.40	0.89	666.22
	Distribution(13-#10)	1	10	13	13	46.90	609.70	0.62	375.90
	RHS								
	Main Bars (#12@150 c/c)	1	12	87	87	2.40	208.00	0.89	184.67
	Distribution(13-#10)	1	10	13	13	13.00	169.00	0.62	104.19

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer,
Nagar, Sub-Division,
CL, BBMP, Bangalore

for PMC Assistant Engineer Assistant Executive Engineer

PRE MEASUREMENT SHEET FIRST and FINAL BILL STEEL CALCULATION									
Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Velagani Main road								
	LHS(West)								
	From SWD Drain To #137 Kumbeshwara Nilaya								
	Main Bars (#12@150 c/c)	1	12	807	807	2.40	1936.00	0.89	1718.81
	Distribution(13-#10)	1	10	13	13	121.00	1573.00	0.62	969.81
	RHS (East)								
	Main Bars (#12@150 c/c)	1	12	87	87	2.40	209.60	0.89	186.09
	Distribution(13-#10)	1	10	13	13	13.10	170.30	0.62	105.00
	Kaltharu Layout								
	Cross Road								
	LHS(South)								
	From Velagani Main Road								
	Main Bars (#12@150 c/c)	1	12	154	154	2.40	369.60	0.89	328.14
	Distribution(12-#10)	1	10	12	12	23.10	277.20	0.62	170.90
	RHS								
	Main Bars (#12@150 c/c)	1	12	141	141	2.40	339.20	0.89	301.15
	Distribution(12-#10)	1	10	12	12	21.20	254.40	0.62	156.85
	Abbigere Main Road								
	Main Bars (#12@150 c/c)	1	12	765	765	2.40	1835.20	0.89	1629.32
	Distribution(12-#10)	1	10	12	12	114.70	1376.40	0.62	848.60
								TOTAL QTY IN KG'S	9356.59
								TOTAL QTY IN TONNE	9.36

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

RUDRAPRASAD CONSULTANTS BANGALORE

Executive Engineer,
Nagar, Sub-Division,
BBMP, Bangalore

PMC Assistant Engineer Assistant Executive Engineer

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 06		Scarifying bituminous course 50mm to 75mm thick along with premix carpet / surface dressing by road roller attached with scarifier without disturbing the base and stacking the debris including cost of all labour charges, HOM of machineries complete as per specifications. and as per the directions of the Engineer in charge									
Measurements taken on											
		Rajeshwari Layout Main Road									
		From OPP HKGN Engg work to lake end									
0	15		Sqm	1	15.00	6.80	5.70	6.25		93.75	
15	30		Sqm	1	15.00	5.70	6.60	6.15		92.25	
30	45		Sqm	1	15.00	6.60	6.00	6.30		94.50	
45	60		Sqm	1	15.00	6.00	6.20	6.10		91.50	
60	75		Sqm	1	15.00	6.20	6.40	6.30		94.50	
75	90		Sqm	1	15.00	6.40	5.80	6.10		91.50	
90	105		Sqm	1	15.00	5.80	6.70	6.25		93.75	
105	120		Sqm	1	15.00	6.70	6.30	6.50		97.50	
120	135		Sqm	1	15.00	6.30	5.80	6.05		90.75	
135	150		Sqm	1	15.00	5.80	6.60	6.20		93.00	
150	165		Sqm	1	15.00	6.60	6.40	6.50		97.50	
165	180		Sqm	1	15.00	6.40	6.15	6.28		94.13	
180	195		Sqm	1	15.00	6.15	5.60	5.88		88.13	
195	210		Sqm	1	15.00	6.70	6.85	6.78		101.63	
210	225		Sqm	1	15.00	6.85	6.00	6.43		96.38	
225	240		Sqm	1	15.00	6.00	6.10	6.05		90.75	
240	255		Sqm	1	15.00	6.10	6.50	6.30		94.50	
255	270		Sqm	1	15.00	6.50	6.20	6.35		95.25	
270	285		Sqm	1	15.00	6.20	6.65	6.43		96.38	
285	300		Sqm	1	15.00	6.65	6.20	6.43		96.38	
300	315		Sqm	1	15.00	6.20	6.00	6.10		91.50	
315	330		Sqm	1	15.00	6.00	6.50	6.25		93.75	
330	345		Sqm	1	15.00	6.50	6.60	6.55		98.25	
345	360		Sqm	1	15.00	6.60	7.00	6.80		102.00	
360	375		Sqm	1	15.00	7.00	6.80	6.90		103.50	
375	387		Sqm	1	12.00	6.80	6.60	6.70		80.40	
387	388.5		Sqm	1	1.50	5.20	5.10	5.15		7.73	
		Kuvempu Nagara 1st Stage									
		6th Cross Road Subrahmanya Swamy Temple									
0	15		Sqm	1	15.00	7.40	6.80	7.10		106.50	
15	30		Sqm	1	15.00	6.80	6.30	6.55		98.25	
30	45		Sqm	1	15.00	6.30	6.60	6.45		96.75	
45	56.3		Sqm	1	11.30	6.60	8.00	7.30		82.49	
56.3	60		Sqm	1	3.70	3.40	3.00	3.20		11.84	
60	71		Sqm	1	11.00	3.00	3.00	3.00		33.00	
		Cross Road 1									
0	12		Sqm	1	12.00	2.55	2.30	2.43		29.10	

PRASAD & CONSULTANTS BANGALORE PMC

Assistant Executive Engineer Vidyaranyapura Sub Division B.B.M.P, Bangalore - 97 23.9.06

Assistant Executive Engineer, Vidyaranyapura Sub-Division, BCL, BBMP, Bangalore

Assistant Engineer

Assistant Executive Engineer

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
0	15		Sqm	1	15.00	2.80	3.20	3.00		45.00	
15	26.3		Sqm	1	11.30	3.20	3.40	3.30		37.29	
0	15		Sqm	1	15.00	4.20	3.40	3.80		57.00	
15	23.1		Sqm	1	8.10	3.40	3.30	3.35		27.14	
23.1	29		Sqm	1	5.90	3.30	3.00	3.15		18.59	
		Cross Road 2									
0	3.5		Sqm	1	3.50	2.35	2.10	2.23		7.79	
3.5	11.1		Sqm	1	7.60	2.10	2.00	2.05		15.58	
11.1	15		Sqm	1	3.90	4.00	3.40	3.70		14.43	
15	25.6		Sqm	1	10.60	3.40	2.30	2.85		30.21	
		Deduction									
			Sqm	-12	0.64					-7.63	
					Area of Circle=(3.14X0.92)/4=0.64						
			Sqm	-1	0.60	1.00	1.00	1.00		-0.60	
									Total	3163.84	

23/12.06

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

RUDRAPRASAD CONSULTANTS BANGALORE

Executive Engineer, Division, Sub-Division, BBMP, Bangalore

Contractor PMC Assistant Engineer Assistant Executive Engineer

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 07		Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		04-10-2021									
		Rajeshwari Layout Main Road									
		From OPP HKGN Engg work to lake end									
0	15		Cum	1	15.00	6.80	5.70	6.25	0.10	9.38	
15	30		Cum	1	15.00	5.70	6.60	6.15	0.10	9.23	
30	45		Cum	1	15.00	6.60	6.00	6.30	0.10	9.45	
45	60		Cum	1	15.00	6.00	6.20	6.10	0.10	9.15	
60	75		Cum	1	15.00	6.20	6.40	6.30	0.10	9.45	
75	90		Cum	1	15.00	6.40	5.80	6.10	0.10	9.15	
90	105		Cum	1	15.00	5.80	6.70	6.25	0.10	9.38	
105	120		Cum	1	15.00	6.70	6.30	6.50	0.10	9.75	
120	135		Cum	1	15.00	6.30	5.80	6.05	0.10	9.08	
135	150		Cum	1	15.00	5.80	6.60	6.20	0.10	9.30	
150	165		Cum	1	15.00	6.60	6.40	6.50	0.10	9.75	
165	180		Cum	1	15.00	6.40	6.15	6.28	0.10	9.41	
180	195		Cum	1	15.00	6.15	5.60	5.88	0.10	8.81	
195	210		Cum	1	15.00	6.70	6.85	6.78	0.10	10.16	
210	225		Cum	1	15.00	6.85	6.00	6.43	0.10	9.64	
225	240		Cum	1	15.00	6.00	6.10	6.05	0.10	9.08	
240	255		Cum	1	15.00	6.10	6.50	6.30	0.10	9.45	
255	270		Cum	1	15.00	6.50	6.20	6.35	0.10	9.53	
270	285		Cum	1	15.00	6.20	6.65	6.43	0.10	9.64	
285	300		Cum	1	15.00	6.65	6.20	6.43	0.10	9.64	
300	315		Cum	1	15.00	6.20	6.00	6.10	0.10	9.15	
315	330		Cum	1	15.00	6.00	6.50	6.25	0.10	9.38	
330	345		Cum	1	15.00	6.50	6.60	6.55	0.10	9.83	
345	360		Cum	1	15.00	6.60	7.00	6.80	0.10	10.20	
360	375		Cum	1	15.00	7.00	6.80	6.90	0.10	10.35	
375	387		Cum	1	12.00	6.80	6.60	6.70	0.10	8.04	
387	388.5		Cum	1	1.50	5.20	5.10	5.15	0.10	0.77	
		Kuvempu Nagara 1st Stage									
		6th Cross Road Subrahmanya Swamy Temple									
0	15		Cum	1	15.00	7.40	6.80	7.10	0.10	10.65	
15	30		Cum	1	15.00	6.80	6.30	6.55	0.10	9.83	
30	45		Cum	1	15.00	6.30	6.60	6.45	0.10	9.68	
45	56.3		Cum	1	11.30	6.60	8.00	7.30	0.10	8.25	
56.3	60		Cum	1	3.70	3.40	3.00	3.20	0.10	1.18	
60	71		Cum	1	11.00	3.00	3.00	3.00	0.10	3.30	
		Cross Road 1									

254.00

Assistant Executive Engineer, Nagar, Sub-Division, BDL, BBMP, Bangalore

Contractor, PMC

Assistant Engineer

Assistant Executive Engineer
Subramanyapura Sub Division
BBMP, Bangalore - 97

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
0	12		Cum	1	12.00	2.55	2.30	2.43	0.10	2.91	
0	15		Cum	1	15.00	2.80	3.20	3.00	0.10	4.50	
15	26.3		Cum	1	11.30	3.20	3.40	3.30	0.10	3.73	
0	15		Cum	1	15.00	4.20	3.40	3.80	0.10	5.70	
15	23.1		Cum	1	8.10	3.40	3.30	3.35	0.10	2.71	
23.1	29		Cum	1	5.90	3.30	3.00	3.15	0.10	1.86	
		Cross Road 2									
0	3.5		Cum	1	3.50	2.35	2.10	2.23	0.10	0.78	
3.5	11.1		Cum	1	7.60	2.10	2.00	2.05	0.10	1.56	
11.1	15		Cum	1	3.90	4.00	3.40	3.70	0.10	1.44	
15	25.6		Cum	1	10.60	3.40	2.30	2.85	0.10	3.02	
		Deduction									
			Cum	-12	0.64				0.10	-0.76	
					Area of Circle=(3.14X0.9^2)/4=0.64						
			Cum	-1	0.60	1.00	1.00	1.00	0.10	-0.06	
									Total	**316.38**	

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore

RUDRAPRASAD CONSULTANTS BANGALORE

Assistant Executive Engineer
Vidyaranyapura Sub-Division
BDL, BBMP, Bangalore

Contractor/PMC Assistant Engineer Assistant Executive Engineer

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
Item No. 08		Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. and as per the directions of the Engineer-in-charge of the work									
Measurements taken on		21-10-2021									
		Rajeshwari Layout Main Road									
		From OPP HKGN Engg work to lake end									
0	15		Cum	1	15.00	6.80	5.70	6.25	0.15	14.06	
15	30		Cum	1	15.00	5.70	6.60	6.15	0.15	13.84	
30	45		Cum	1	15.00	6.60	6.00	6.30	0.15	14.18	
45	60		Cum	1	15.00	6.00	6.20	6.10	0.15	13.73	
60	75		Cum	1	15.00	6.20	6.40	6.30	0.15	14.18	
75	90		Cum	1	15.00	6.40	5.80	6.10	0.15	13.73	
90	105		Cum	1	15.00	5.80	6.70	6.25	0.15	14.06	
105	120		Cum	1	15.00	6.70	6.30	6.50	0.15	14.63	
120	135		Cum	1	15.00	6.30	5.80	6.05	0.15	13.61	
135	150		Cum	1	15.00	5.80	6.60	6.20	0.15	13.95	
150	165		Cum	1	15.00	6.60	6.40	6.50	0.15	14.63	
165	180		Cum	1	15.00	6.40	6.15	6.28	0.15	14.12	
180	195		Cum	1	15.00	6.15	5.60	5.88	0.15	13.22	
195	210		Cum	1	15.00	6.70	6.85	6.78	0.15	15.24	
210	225		Cum	1	15.00	6.85	6.00	6.43	0.15	14.46	
225	240		Cum	1	15.00	6.00	6.10	6.05	0.15	13.61	
240	255		Cum	1	15.00	6.10	6.50	6.30	0.15	14.18	
255	270		Cum	1	15.00	6.50	6.20	6.35	0.15	14.29	
270	285		Cum	1	15.00	6.20	6.65	6.43	0.15	14.46	
285	300		Cum	1	15.00	6.65	6.20	6.43	0.15	14.46	
300	315		Cum	1	15.00	6.20	6.00	6.10	0.15	13.73	
315	330		Cum	1	15.00	6.00	6.50	6.25	0.15	14.06	
330	345		Cum	1	15.00	6.50	6.60	6.55	0.15	14.74	
345	360		Cum	1	15.00	6.60	7.00	6.80	0.15	15.30	
360	375		Cum	1	15.00	7.00	6.80	6.90	0.15	15.53	
375	387		Cum	1	12.00	6.80	6.60	6.70	0.15	12.06	
387	388.5		Cum	1	1.50	5.20	5.10	5.15	0.15	1.16	
		Kuvempu Nagara 1st Stage									
		6th Cross Road Subrahmanya Swamy Temple									
0	15		Cum	1	15.00	7.40	6.80	7.10	0.15	15.98	
15	30		Cum	1	15.00	6.80	6.30	6.55	0.15	14.74	
30	45		Cum	1	15.00	6.30	6.60	6.45	0.15	14.51	
45	56.3		Cum	1	11.30	6.60	8.00	7.30	0.15	12.37	
56.3	60		Cum	1	3.70	3.40	3.00	3.20	0.15	1.78	
60	71		Cum	1	11.00	3.00	3.00	3.00	0.15	4.95	
										432.47	

RUDRA BANGALORE

Executive Engineer, Nagar, Sub-Division, BBMP, Bangalore

Assistant Executive Engineer Vidyaranyapura Sub Division B.B.M.P, Bangalore - 97

Contractor PMC Assistant Engineer Assistant Executive Engineer

PRE-MEASUREMENT SHEET

First and Final BILL

Chainage From	Chainage To	Description of Item	Unit	No	Length (m)	Breadth B1	Breadth B2	Breadth Avg B	Depth (m)	Quantity	Remarks
		Cross Road 1									
0	12		Cum	1	12.00	2.55	2.30	2.43	0.15	4.37	433.49
0	15		Cum	1	15.00	2.80	3.20	3.00	0.15	6.75	
15	26.3		Cum	1	11.30	3.20	3.40	3.30	0.15	5.59	
0	15		Cum	1	15.00	4.20	3.40	3.80	0.15	8.55	
15	23.1		Cum	1	8.10	3.40	3.30	3.35	0.15	4.07	
23.1	29		Cum	1	5.90	3.30	3.00	3.15	0.15	2.79	
		Cross Road 2									
0	3.5		Cum	1	3.50	2.35	2.10	2.23	0.15	1.17	
3.5	11.1		Cum	1	7.60	2.10	2.00	2.05	0.15	2.34	
11.1	15		Cum	1	3.90	4.00	3.40	3.70	0.15	2.16	
15	25.6		Cum	1	10.60	3.40	2.30	2.85	0.15	4.53	
		Deduction									
			Cum	-12	0.64				0.15	-1.14	
					Area of Circle=(3.14X0.9^2)/4=0.64						
			Cum	-1	0.60	1.00	1.00	1.00	0.15	-0.09	
									Total	**474.58**	

Assistant Executive Engineer
Vidyaranyapura Sub Division
B.B.M.P, Bangalore - 97

RUDRA CONSULTANTS BANGALORE

Assistant Executive Engineer,
Nagar, Sub-Division, PMC
DL, BBMP, Bangalore

Contractor

Assistant Engineer

Assistant Executive Engineer